Diamond Pro Specifications

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Model	DP930SB-BK	DP 2070SB-BK
UPC	805736005776	805736005134
Display		
Viewable Image Size	18"	20"
Notes	19" CRT	22" CRT
CRT Type	0.24 Flat Aperture Grille CRT	0.24 Flat Aperture Grille CRT
Synchronization Range		
Horizontal	30-110 kHz	30-140 kHz
Vertical	50-160 Hz	50-160 Hz
Pixel Clock	290 MHz	390 MHz (Max)
Resolutions Supported	640 x 480 @ 60-160 Hz 800 x 600 @ 50-160 Hz 1024 x 768 @ 50-136 Hz 1152 x 870 @ 50-120 Hz 1280 x 1024 @ 50-102 Hz 1600 x 1200 @ 50-88 Hz 1792 x 1344 @ 50–78 Hz 1800 x 1440 @ 50–73 Hz 1856 x 1392 @ 50–75 Hz 1920 x 1440 @ 50–73 Hz	640 x 480 @ 60-160 Hz 800 x 600 @ 50-160 Hz 1024 x 768 @ 50-160 Hz 1280 x 1024 @ 50-127 Hz 1600 x 1200 @ 50-109 Hz 1800 x 1350 @ 50-98 Hz 1800 x 1440 @ 50-92 Hz 1856 x 1392 @ 50-95 Hz 1920 x 1440 @ 50-92 Hz 2048 x 1536 @ 50-86 Hz
Maximum Resolution Recommended Resolution	1920 x 1440 @ 73 Hz 1280 x 1024 @ 85 Hz	2048 x 1536 @ 86 Hz 1600 x 1200 @ 85 Hz
Additional Features	U-NX gun, SuperBright (picture mode, movie mode), on-screen controls, OptiClear®, Plug 'n Play protocol (DDC2Bi,DDC/CI), 6 languages, factory reset, sizing and positioning,color temperature, pincushion, tilt, rotation, trapezoid, parallelogram, moire cancellation, convergence control, degauss, contrast, brightness, pincushion balance, focus adjustments, AccuColor controls	U-NX gun, SuperBright (picture mode, movie mode), dual inputs, on-screen controls, OptiClear®, GlobalSync, Plug 'n Play protocol (DDC2Bi,DDC/CI), 6 languages, factory reset, sizing and positioning, color temperature, pincushion, tilt, rotation, trapezoid, parallelogram, moire cancellation, convergence control, degauss, contrast, constant brightness, pincushion balance, corner purity adjustments, focus adjustments, AccuColor controls, digital dynamic convergence
Display Colors	Unlimited	Unlimited
Power Supply	100-120/220-240 VAC, 50-60 Hz	100-120/220-240 VAC, 50-60 Hz
Power Consumption	102 W	120 W
USB Capability	No	USB hub with one up stream and four down stream
Input	15 pin d-Sub connector	Dual, two 15 pin d-Sub connectors
Dimensions (W x H x D)	17.4 x 17.4 x 17.6" / 442.0 x 443.0 x 447.5 mm	19.5 x 19.1 x 18.5" / 495 x 484.5 x 471 mm
Net Weight	52.47 lbs / 23.8 kg	65.7 lbs / 29.8 kg
Gross Weight	61.28 lbs / 27.8 kg	77.2 lbs / 35 kg
Signal Cable	15 pin d-Sub	15 pin d-Sub
Regulatory Approvals	UL(UL1950), C-UL(CSA-22.2 No.950-1995), TUV/GS (EN60950:1992 & AD1AD/AD2/AD3/AD4/AD11), FCC-B, VCCI-B, DOC-B, MPR-III, DHHS, CRA, PTB, TUV-GS, (ISO9241-3,-7,-8), ENERGY STAR, TCO95, CE Marking, (EN55022-B, EN55024, EN61000-3-2,EN61000-3-3)	UL(UL1950),C-UL(CSA-22.2 No.950-1995), TUV/GS (EN60950:1992 & AD1AD/AD2/AD3/AD4/AD11, EK1-ITB2000), VCCI-B, FCC-B, DOC-B, MPR-III, TC091, DHHS, HWC, RoV, TUV-ERGO, (ISO9241-3 ,-7 ,-8), ENERGY STAR, GEEA-LABEL, TCO95, CE Marking, (EN55022-B, EN55024, EN61000-3-2, EN61000-3-3)
Limited Warranty	3 years CRT, parts and labor	3 years CRT, parts and labor
Technical Support	24 hours / 7 days	24 hours / 7 days

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NEC/MITSUBISHI
NEC-MITSUBISHI ELECTRONICS DISPLAY

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Professional Series

Diamond Pro® Family

Diamond Pro 930SB/2070SB

MITSUBISHI

visual energy™

High performance and advanced technology collide for the ultimate visual experience. As a creative professional, achieving the ultimate in precision, color and clarity is paramount to creating stunning images, designing functional 3-D representations, laying out eye-pleasing publications or developing true-to-life animations. The Mitsubishi Diamond Pro® Series, a dynamic duo of flat-screen CRT monitors from the color expert and CRT technology innovator, dazzle your eyes with superior screen performance and bring your graphical imagination to life.

The series' two models, the 19" (18" viewable image size) Diamond Pro 930SB and 22" (20" VIS) Diamond Pro 2070SB, go above and beyond what you'd expect from high-quality monitors, allowing you to take your design projects to the next level. Whether you design awe-inspiring graphics, craft eye-catching page layouts or bring animated characters to life for a living, these monitors' virtually flat screens, intuitive screen setting controls, remarkable brightness and many other features make these displays ideal for your application as well as many other high-end professional uses. The Diamond Pro Series' popularity with Macintosh® systems further extends its applications. These include digital imaging, pre-press, professional publishing, video editing, web publishing and medical imaging, among others.

Flat-out better screen performance. Using the latest in advanced flat-screen technology, the Diamond Pro Series delivers the ultimate screen performance to your desktop, enabling you to develop stunning creations without having to second-guess what you see on-screen. While reducing eyestrain and fatigue, flat screens allow you to focus on your screen without distractions such as glare and reflection. You'll also realize benefits such as greater image sharpness for improved clarity, precision and accuracy, and a higher contrast ratio for enhanced legibility and fine detail. All of these advantages add up to a more energized visual experience.

SuperBright™ Diamondtron®, the latest generation of flat aperture grille CRT technology, provides exceptional performance with unprecedented focus and contrast and a virtually flat image that reduces distortion and glare. This CRT technology also delivers better brightness uniformity for consistent, true-to-life images and improved color saturation. With this kind of performance, what you see on-screen is as life-like as what you see on your printed output. With the simple touch of a button, the SuperBright mode for these models allows you to achieve up to two times the normal brightness level, while enhancing the crispness of images for clarity-conscious applications such as graphics, animation and video. Further, superb frequencies allow for better resolutions and one of the industry's highest refresh rates.

superior brightness

ultra-high resolution

fatigue-free viewing

tighter focus and clarity

accurate color calibration

Enhanced clarity and focus. The Diamond Pro 930^{SB} and Diamond Pro 2070^{SB} feature the new Mitsubishi U-NX electron gun that includes an additional lens to improve the monitors' focus and convergence. An electron beam, which is projected through the multiple lenses and onto the viewable image area, produces a small beam spot, achieving better focus and clarity at higher resolutions. The larger main lens reduces distortion and potential image halo effect.

Furthermore, using GlobalSync® technology, the Diamond Pro 930^{SB} and Diamond Pro 2070^{SB} can counter cross-talk between monitors and the earth's magnetic field, using its exclusive magnetic sensors to correct misconvergence and deliver consistent brightness uniformity.

Customize your visual experience. Diamond Pro Series monitors feature an on-screen display (OSD), allowing you to make precise monitor adjustments that match your specific preferences. A touch of the up-front controls activates the OSD, giving you access to a comprehensive set of adjustments and an expanded display mode with monitor information such as vertical refresh rate and horizontal frequency. With its multitude of presets, the series is ready to go right out of the box.

Maximize your screen control. Our exclusive NaViSet™ software (available by download) offers an intuitive graphical user interface that allows you to adjust OSD display settings via mouse and keyboard instead of using the monitor's up-front buttons. This software provides animated graphics and test patterns to help guide you through adjustments.

For an unprecedented level of control, NaViSet Administrator software for IT professionals (available upon request) contains Windows® Management Instrumentation™ (WMI) for remote control and diagnostics maintenance for all installed Diamond Pro Series units mentioned above. This software provides IT personnel remote access to the monitor and its settings without disrupting the user.

All of these control capabilities are made possible using the advanced remote diagnostics and remote control capabilities of the Display Data Channel/ Command Interface (DDC/CI). This allows control commands to be sent directly to the monitor by the local system or remotely over an existing network (LAN) by a system administrator. In order to take full advantage of these benefits, users must use a DDC/CI-compatible graphics card and be running Windows 2000/XP.

User-friendly, minimalist design. In developing the Diamond Pro Series monitors, our engineers focused on their smooth integration into work and home environments. Featuring reduced cabinet size and bezel width as well as recessed cable connections, these monitors have been designed for easy, flexible integration into a variety of surroundings, including cramped areas and ergonomically challenged work spaces. This user-friendly design enables you to focus more on what is on-screen, enhancing not only your visual experience but your overall productivity. ErgoDesign® enhancements, which include a tilt/ swivel base that easily adjusts to each user's preferred angle of vision, further increase comfort, productivity and ease of use.

Quality and service you can count on. You can rest easy knowing that NEC-Mitsubishi is available 24 hours a day, 7 days a week for technical support, and a 3-year limited warranty on all models guarantees your satisfaction.

Diamond Pro Family

The Diamond Pro 930^{SB} is our 19" (18" viewable) model, available in a black cabinet design.

The Diamond Pro 2070^{SB}, our 22" (20" viewable) model, shown with the SpectraView Color Calibration Solution and re-attachable hood.

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SpectraView™ Color Calibration Solution

Unrivaled color performance for sophisticated professionals. In today's graphics environments, color accuracy is critical. To help meet the needs of even the most demanding creative professional, the Mitsubishi Diamond Pro Series comes available with the SpectraView Color Calibration Solution, which delivers superior display and color performance to your desktop. In addition to the flat-screen CRT monitor, this state-of-the art calibration solution includes a re-attachable hood and the patented SpectraView color calibrator and software.

Simple measurements in no time. SpectraView achieves precise color calibration with actual on-screen color measurements using a tri-stimulus colorimeter and custom software that provide the necessary link between your input and output devices. Adjustments are made directly to the monitor electronics by way of the DDC/CI communications channel. This state-of-the-art digital technology provides the ability to control the RGB gains, resulting in better luminance, black colors and, overall, more accurate calibration when compared to systems that only use the video card to make adjustments. The monitors' digital control also delivers quicker measurement times, more frequent calibration routines and a reduced chance for human error when making adjustments to screen settings. Using three 24-bit analog-to-digital converters, SpectraView measures color at five measurements per second either at absolute white or black. These phased-lock measurements are achieved at a rate that is up to 2-5 times faster than other competitive desktop color sensors.

Reliable color-matching. Because each device displays color differently, what you see on screen may vary significantly from what you see in your output, resulting in expensive and time-consuming guesswork. The SpectraView system accurately measures the color on your display and seamlessly creates a reusable ICC profile of that monitor's color to provide consistency. Furthermore, the system assists in matching colors from monitor-to-monitor as well as to peripheral devices such as printers and scanners.

Advanced, accurate light measurement. SpectraView quickly and easily calculates optimal display characteristics. Similar to more expensive light measurement instruments, the calibrator features three color sensors. Compared to single-sensor models that only measure overall light intensity, this results in more accurate calibration because the display's individual red, green and blue phosphors are measured separately. The software analyzes the color read by the calibrator, adjusts and calculates display gamma and white point values and corrects these figures to accommodate current ambient light.

Wide compatibility for widespread color performance. Cross-platform color-matching capability ensures the Diamond Pro 930^{SB} and Diamond Pro 2070^{SB} can be matched on PC and Mac® computers. Plus, you can color conference with confidence by sending files electronically between remote locations for maximum efficiency and convenience.

Features and Benefits

SuperBright™ Diamondtron® flat aperture grille CRT delivers exceptional performance with unprecedented brightness, contrast and focus

SpectraView™ Color Calibration Solution achieves accurate, consistent and repeatable color performance

SuperBright function delivers up to two times the screen's normal brightness level with the simple touch of a button

Mitsubishi's digital signal processing control system enables precise adjustments for excellent image quality, easy setup and pinpoint control

Mitsubishi's new U-NX electron gun improves the monitor's focus, clarity and convergence at higher resolutions

Easy-on-the-eyes screen surface virtually eliminates reflected light, while maintaining the screen's clarity

NaViSet™ software allows control commands to be sent directly to the monitor by the local system or remotely over an existing network by a system administrator

Asset management capability enables communication of monitor data to a central system via asset management software

Integrated USB hub provides easy-to-reach connections for peripheral devices (Diamond Pro 2070^{SB})

NEC-Mitsubishi's quality and reliability provide peace of mind with a 3-year limited parts and labor warranty and 24/7 customer service and technical support